

<b>Notice of Allowability</b>	Application No.	Applicant(s)
	09/750,100	BARAFF ET AL
	Examiner Thomas H. Stevens	Art Unit 2123

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the amendment filed 09/19/2006.

2.  The allowed claim(s) is/are 1-20.

3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### **DETAILED ACTION**

1. Claims 1-20 were examined.

#### ***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sean F. Parmenter (Reg., # 53,437), on, October 16, 2006. The amendment is as follows:

- Claim 5, line 3, the word "the" was changed to -- an -- .
- Claim 19, line after the word "limit" the phrase -- ; and displaying the elements of the computer animation display, including associated motions of said elements --

#### ***Allowable Subject Matter***

3. Claims 1-20 are allowable.
4. The following is an examiner's statement of reasons for allowance:

While US Patent 6,426,745 teaches (claim 1) method of simulating relative motion of objects; Chadwick teaches providing a of a display; providing at least one dynamic object is another element of the limit is simulated using a physically-based numerical

technique; (claims 1, 13 and 17 “means for”, 18 “code”) and displaying the elements of the limit display, including associated motions of said elements; (claim 13, 17 “means for”, 18 “code”, 19) receive information specifying motion for a kinematic object; compute motion for a dynamic object based upon the motion of the kinematic object, wherein the motion of the dynamic object is specified using a physically-based numerical technique; Popovic teaches (claim 19) a computer computer-implemented method of simulating relative motion of objects in a computer animation system comprising: a processor; a display; wherein the processor is configured to receiving information, none of these references, taken either alone or in combination, with the prior art of record disclose;

*(claim 1) “object exceeds a predetermined limit such that the motion of the at least one dynamic object is influenced differently by the motion of the kinematic object when the motion of the kinematic object exceeds the predetermined limit; providing motion of a kinematic object, where the kinematic object is an element... associated with said kinematic object, where said at least one dynamic object... display and where motion of said at least one dynamic object is influenced by the motion of the kinematic object, wherein the motion of said at least one dynamic object... manipulating the motion of said at least one dynamic object... in response to the motion of the kinematic object when the motion of the kinematic,”*

*(claims 13, 17 and 18 "code", 19) "compute motion for a dynamic object based upon the motion of the kinematic object, wherein the motion of the dynamic object is specified using a physically-based numerical technique,"*

*(claim 13, 17 "means for" 18 "code", 19) "manipulate the motion of the dynamic object in response to the motion of the kinematic object when the motion...such that the motion of the dynamic object is influenced differently by the motion of the kinematic object,"*

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

#### ***Correspondence Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mr. Tom Stevens whose telephone number is 571-272-3715, Monday-Friday (8:00 am- 4:30 pm EST).

If attempts to reach the examiner by telephone are unsuccessful, please contact examiner's supervisor Mr. Paul Rodriguez 571-272-3753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>.. Answers to questions regarding access to the Private PAIR system, contact the Electronic Business Center (EBC) (toll-free (866-217-9197)).

October 16, 2006

TS

  
PAUL RODRIGUEZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100  
10/27/06